XR-3758/3759

SERVICE MANUAL

UK Model

Photo: XR-3759

Model Name Using Similar Mechanism	XR-3750/C350
Tape Transport Mechanism Type	MG-52A-135

- XR-3758/3759 are almost same as XR-3750 UK model. Printed wiring boards, schematic diagram, exploded views and electrical parts list are described in this service manual. Please refer to XR-3750/C350 service manual previously issued for the other informations.

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SERVICING NOTES

Flexible Circuit Board Repairing

- Keep the temperature of the soldering iron around 270 ˚C during repairing.
- Do not touch the soldering iron on the same conductor of the circuit board (within 3 times).
- Be careful not to apply force on the conductor when soldering or unsoldering

Notes on chip component replacement

- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

FM/MW/LW CASSETTE CAR STEREO

MICROFILM

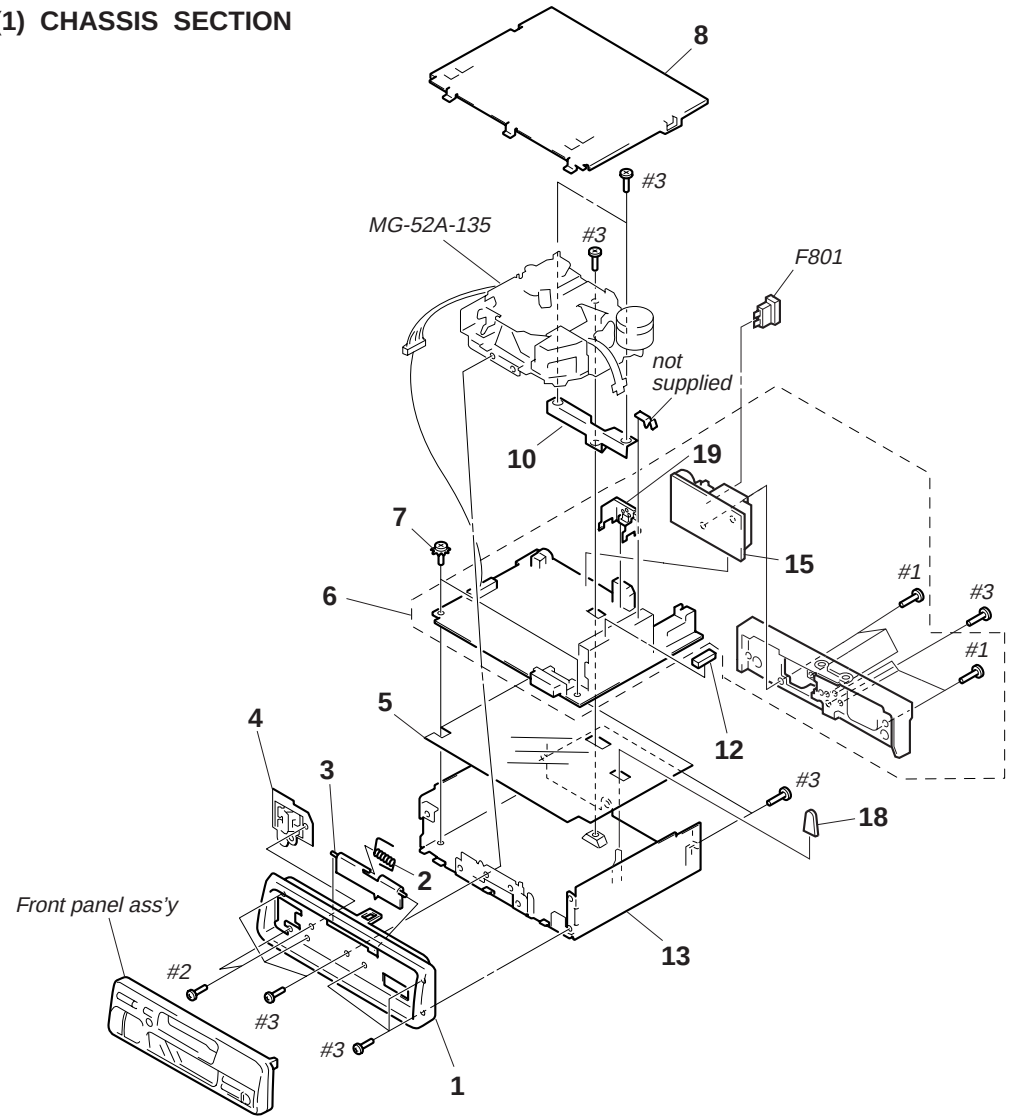
SONY®

SECTION 1
EXPLODED VIEWS

NOTE:

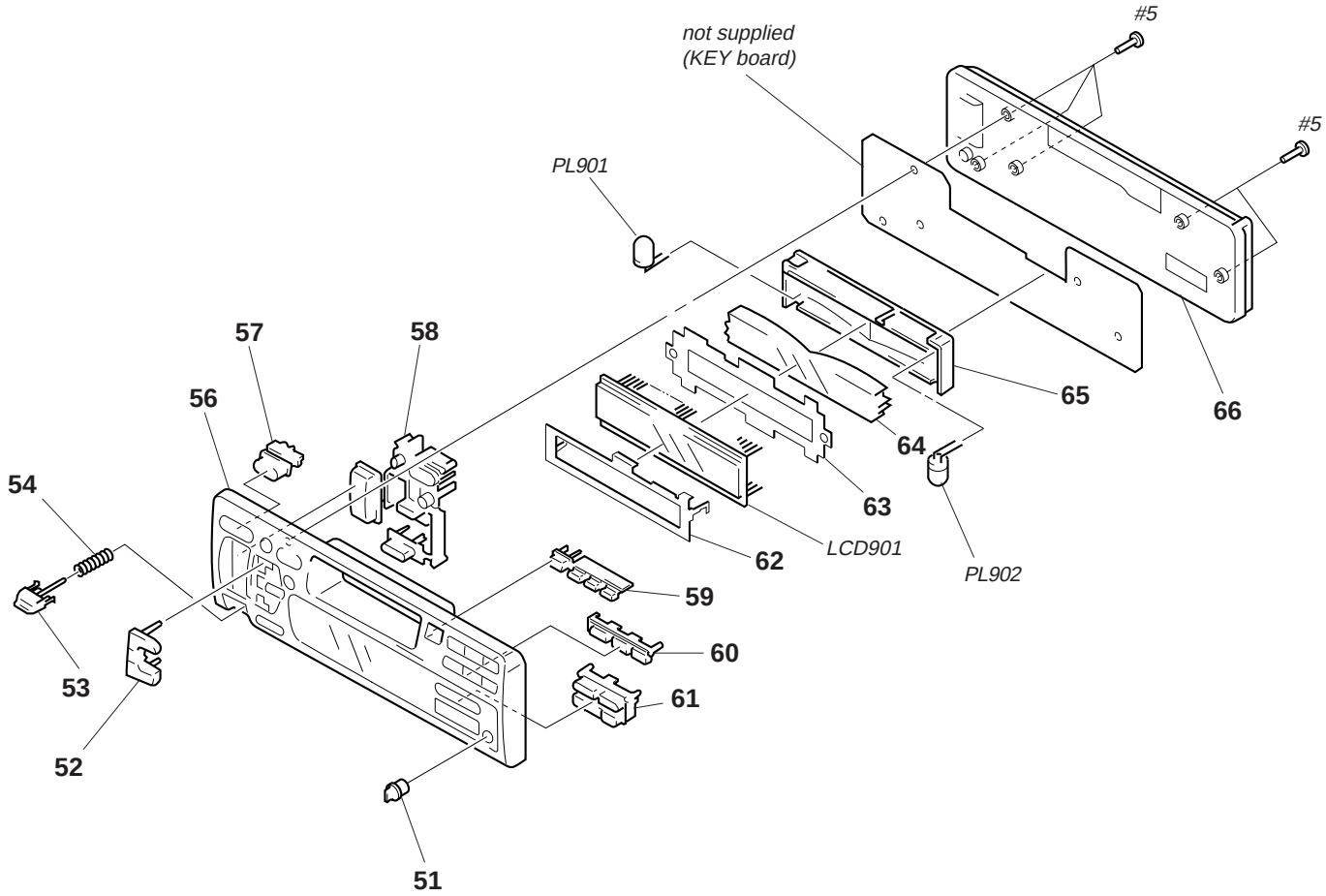
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Color Indication of Appearance Parts
  Example:
  KNOB, BALANCE (WHITE) . . . (RED)
  ↑ ↑
  Parts Color Cabinet's Color
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Hardware (# mark) list and accessories and packing materials are given in the last of the electrical parts list.

(1) CHASSIS SECTION



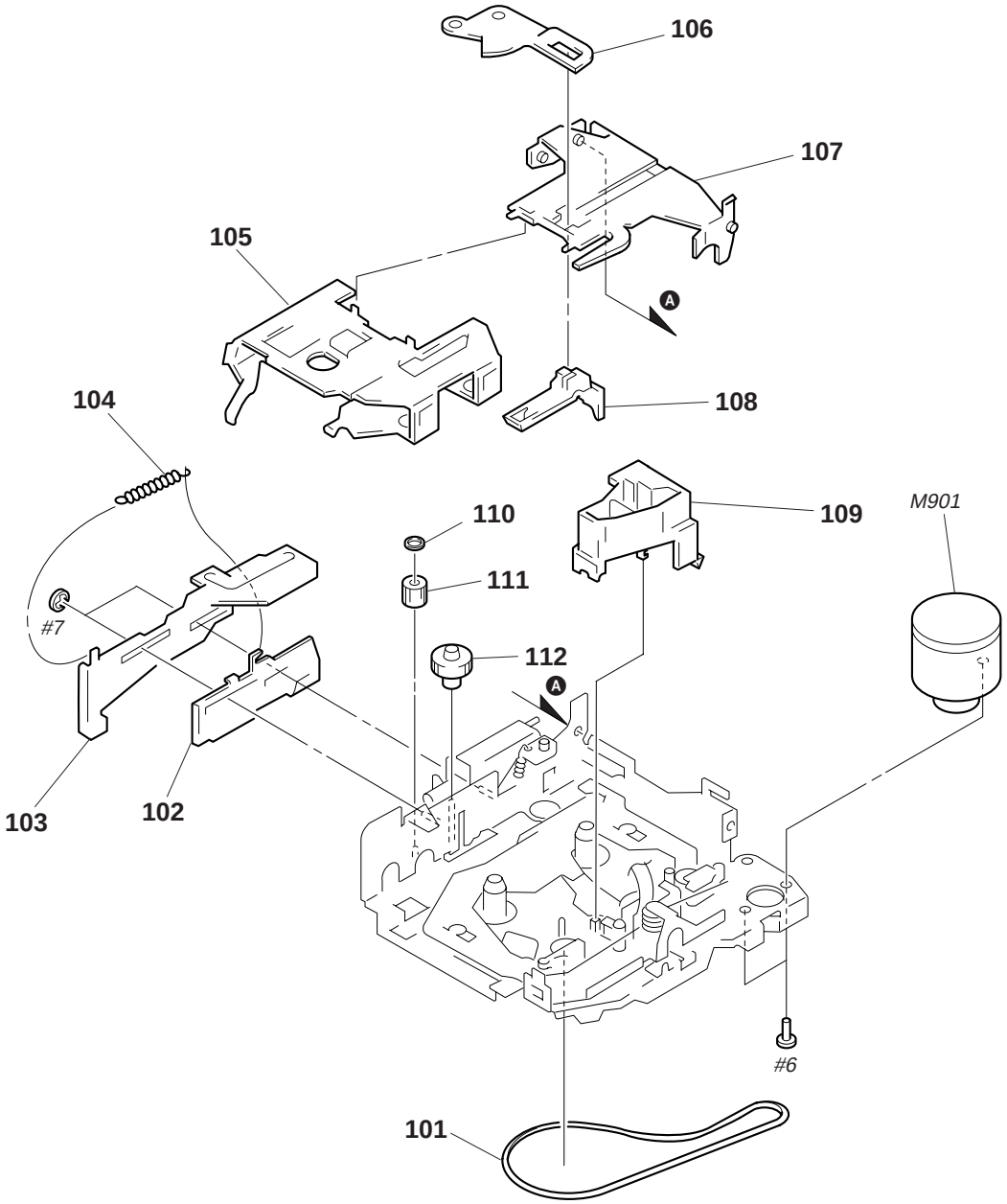
Ref. No.	Part No.	Description	Remark
1	3-009-294-01	PANEL, SUB	
2	3-935-003-01	SPRING, TORSION	
3	3-932-205-21	DOOR, CASSETTE (XR-3758)	
3	3-932-205-71	DOOR, CASSETTE (XR-3759)	
4	X-3367-636-1	LOCK ASSY	
* 5	3-010-376-01	INSULATOR	
* 6	A-3309-950-A	MAIN BOARD, COMPLETE (XR-3759)	
* 6	A-3309-953-A	MAIN BOARD, COMPLETE (XR-3758)	
7	3-915-923-01	SCREW, GROUND POINT	
* 8	X-3373-504-1	COVER ASSY	
* 10	3-012-264-01	BRACKET (52)	
* 11	3-010-471-01	HEAT SINK	
12	9-911-840-XX	CUSHION (U)	
* 13	3-009-813-11	CHASSIS (XR-3758)	
* 13	3-009-813-31	CHASSIS (XR-3759)	
* 15	A-3309-913-A	CONNECTOR BOARD, COMPLETE (XR-3758)	
* 15	A-3313-078-A	CONNECTOR BOARD, COMPLETE (XR-3759)	
* 18	3-012-860-01	CAP (52), RUBBER	
* 19	3-009-816-01	BRACKET (IC) (ISO)	
F801	1-532-877-11	FUSE (BLADE TYPE) (AUTO FUSE) (10A)	

(2) FRONT PANEL SECTION



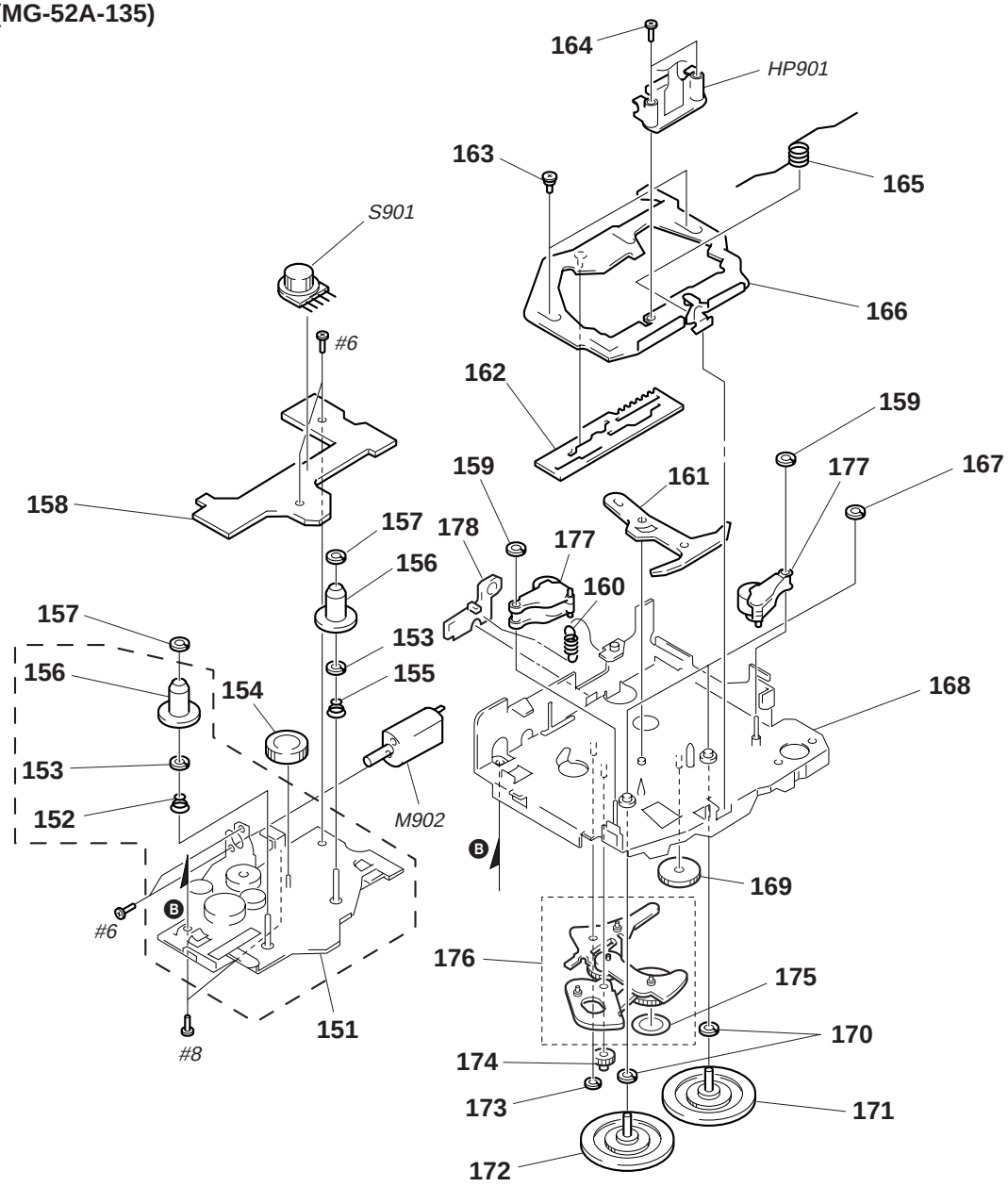
Ref. No.	Part No.	Description	Remark
51	3-009-301-01	BUTTON (BASS)	
52	3-010-472-01	BUTTON (L2) (+. –)	
53	3-009-304-01	BUTTON (RELEASE)	
54	3-935-119-01	SPRING (RELEASE)	
56	X-3373-702-1	PANEL SUB ASSY (XR-3759)	
56	X-3373-703-1	PANEL SUB ASSY (XR-3758)	
57	3-009-300-01	BUTTON (SOURCE)	
58	3-009-297-11	BUTTON (L) (+ ▶▶I ▶▶. SEEK AMS. I◀◀ ◀◀ –. ●. OFF. SEL. MUTE)	
59	3-010-473-01	BUTTON (1–3) (⏏. 1. 2. 3)	
60	3-010-474-11	BUTTON (4–6) (4. 5. 6)	
61	3-009-315-01	BUTTON (R) (3) (BTM. LCL. DSPL)	
* 62	3-010-282-01	PLATE (LCD), GROUND	
* 63	3-012-669-01	SHEET (REFLECTOR)	
* 64	3-009-302-01	PLATE (LCD), LIGHT GUIDE	
* 65	3-009-303-02	HOLDER (LCD)	
66	3-010-519-01	PANEL, FRONT BACK	
LCD901	1-801-678-11	DISPLAY PANEL, LIQUID CRYSTAL	
PL901	1-517-633-21	LAMP, PILOT (LCD BACK LIGHT)	
PL902	1-517-633-21	LAMP, PILOT (LCD BACK LIGHT)	

(3) MECHANISM DECK SECTION-1
(MG-52A-135)



Ref. No.	Part No.	Description	Remark
101	3-928-675-01	BELT (52)	
* 102	3-928-673-01	LEVER (LDG-A)	
103	3-928-674-01	LEVER (LDG-B)	
104	3-933-341-01	SPRING (LEVER LDG), TENSION	
105	3-928-671-01	HOUSING	
* 106	3-933-347-01	ARM (SUCTION)	
107	3-933-340-01	HANGER	
108	3-933-346-01	CATCHER	
109	3-933-344-01	GUIDE (C)	
110	3-341-753-11	WASHER, POLYETHYLENE	
111	3-933-335-01	GEAR (LDG-FT)	
112	3-928-667-01	GEAR (LDG-A)	

(4) MECHANISM DECK SECTION-2 (MG-52A-135)



Ref. No.	Part No.	Description	Remark
M901	A-3291-665-A	MOTOR ASSY, MAIN (CAPSTAN/REEL)	
151	X-3371-710-1	CHASSIS (S) ASSY	
152	3-933-337-01	SPRING (B-T-R), CONE COIL	
153	3-701-437-01	POLY-SLIDER (A)	
154	3-933-333-01	GEAR (LDG-E)	
155	3-933-339-01	SPRING (B-T-F), CONE COIL	
156	3-933-345-01	GEAR, REEL	
157	3-954-807-01	WASHER	
158	1-660-169-21	REEL BOARD	
159	3-341-752-11	WASHER, POLYETHYLENE	
160	3-933-336-01	SPRING (ARM HANGER), TENSION	
161	3-928-669-01	LEVER (PINCH SELECTION)	
162	3-928-668-01	LEVER (MODE)	
163	3-933-338-01	SCREW (HP), STEP	
164	3-927-100-01	SCREW (+PS 2X10), SPECIAL	
165	3-928-670-01	SPRING (PINCH PRESS)	
* 166	X-3371-712-1	PLATE SUB ASSY, HEAD	

Ref. No.	Part No.	Description	Remark
167	3-364-151-01	WASHER	
* 168	X-3371-701-1	CHASSIS (M) SUB ASSY (A)	
169	X-3371-707-1	CLUTCH (PLAY) ASSY	
170	3-701-437-21	WASHER	
171	3-930-932-01	FLYWHEEL (F) (SEF)	
172	A-3291-667-A	CLUTCH (FR) ASSY	
173	3-321-813-01	WASHER, COTTER POLYETHYLENE	
174	3-933-343-01	GEAR (REVERSE)	
175	3-933-383-01	SEAL (32), REFLECTION	
176	X-3371-703-1	LEVER (GEAR) ASSY	
177	X-3371-713-2	LEVER (PINCH) ASSY	
178	X-3371-706-2	ARM (HANGER) ASSY	
HP901	1-500-157-21	HEAD, MAGNETIC (PLAYBACK)	
M902	A-3291-664-A	MOTOR ASSY, SUB (LOADING/TAPE OPERATION)	
S901	1-692-885-11	SWITCH, ROTARY SLIDE (TAPE OPERATION)	

SECTION 2
DIAGRAMS

2-1. PRINTED WIRING BOARDS – MAIN Section –

• **Semiconductor Location**

Ref. No.	Location	Ref. No.	Location
D1	F-2	IC301	H-4
D2	G-1	IC361	H-10
D3	I-3	IC401	E-4
D4	D-2	IC501	H-7
D301	F-6	IC502	J-9
D351	H-10	IC601	F-11
D352	H-10	IC751	C-5
D501	J-8		
D502	J-8	Q1	H-1
D503	E-10	Q2	I-4
D504	D-5	Q4	H-3
D505	F-6	Q171	D-3
D519	F-10	Q181	D-4
D520	J-8	Q271	D-4
D561	E-8	Q281	D-4
D601	I-10	Q351	H-10
D701	E-10	Q352	H-10
D706	E-10	Q353	G-8
D707	E-8	Q354	G-11
D801	D-13	Q355	G-8
D802	D-9	Q501	E-7
D803	D-9	Q502	E-7
D851	J-5	Q503	J-9
D852	J-5	Q601	J-10
D853	J-5	Q602	I-10
D854	J-5	Q603	J-10
D855	J-5	Q604	J-7
D856	J-4	Q701	E-10
D857	J-4	Q702	E-9
D858	J-4	Q703	E-9
D859	J-4	Q704	E-9

Note on Printed Wiring Board:
- o—— : parts extracted from the component side.
- △ : internal component.

【MAIN BOARD】

【CONNECTOR BOARD】

【REEL BOARD】

2-2. SCHEMATIC DIAGRAM – MAIN Section –

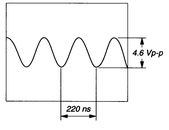
【MAIN BOARD】

【REEL BOARD】

【CONNECTOR BOARD】

• Waveform

❶ IC501 ⑰

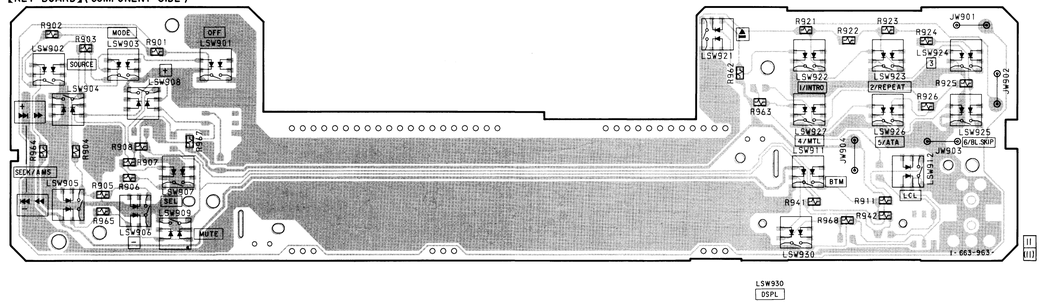


NOTE

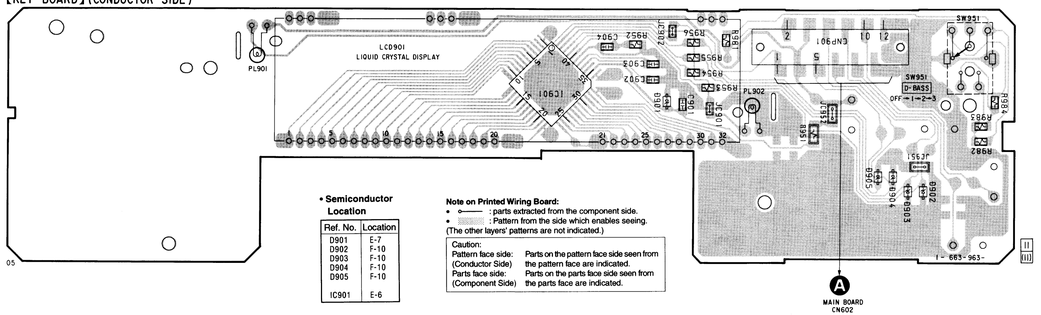
- All capacitors are in μF unless otherwise noted. pF: μμF
  50WV or less are not indicated except for electrolytics and tantaliums.
- All resistors are in Ω and 1/4W or less unless otherwise specified.
- △ : internal component.
- [ ] : panel designation.
- ▮▮ : B+ Line.
- Power voltage is dc 14.4V and fed with regulated dc power supply from ACC and BATT terminals.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
  no mark: FM
  ( ) : MW
  < > : PB
  * : Impossible to measured.
- Voltages are taken with a VOM (Input impedance 10MΩ). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
  ⇨ : FM
  ➡ : MW
  ➡ : PB

2-3. PRINTED WIRING BOARD – KEY Section –

【KEY BOARD】(COMPONENT SIDE)



【KEY BOARD】(CONDUCTOR SIDE)



• Semiconductor Location

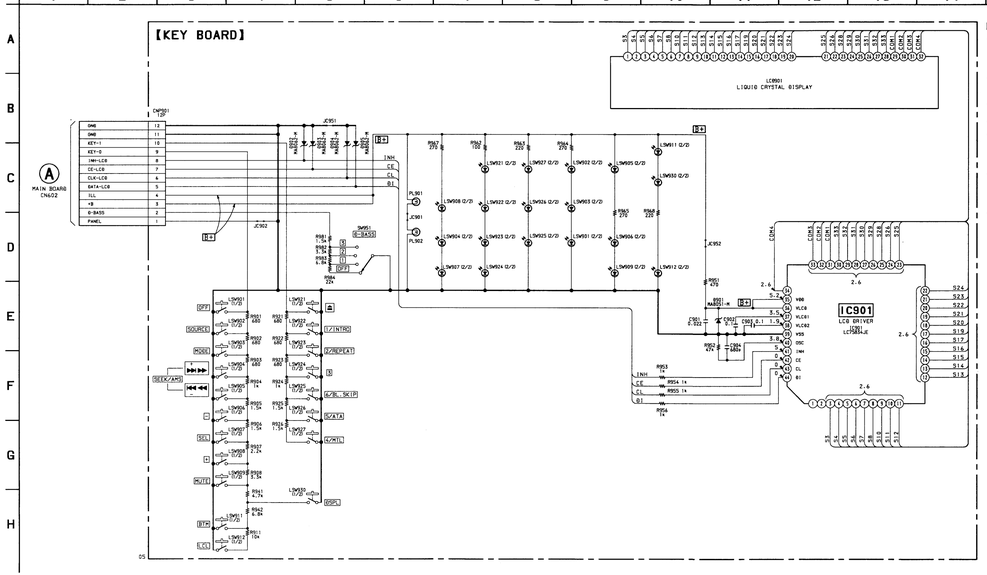
Ref. No.	Location
D901	E-7
D902	F-10
D903	F-10
D904	F-10
D905	F-10
IC901	E-6

Note on Printed Wiring Board:
- ⟵ : parts extracted from the component side.
- ▪ : Pattern from the side which enables seeing.

(The other layers' patterns are not indicated.)

Caution:
Pattern face side: (Conductor Side) Parts on the pattern face side seen from the pattern face are indicated.
Parts face side: (Component Side) Parts on the parts face side seen from the parts face are indicated.

2-4. SCHEMATIC DIAGRAM – KEY Section –



NOTE
- All capacitors are in μF unless otherwise noted. pF: μμF
  50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4W or less unless otherwise specified.
- [ ] : panel designation.
- B+ : B+ Line.
- Voltages are dc with respect to ground under no-signal (detuned) conditions.
  no mark: FM
- Voltages are taken with a VOM (Input impedance 10MΩ). Voltage variations may be noted due to normal production tolerances.
- Power voltage is dc 14.4V and fed with regulated dc power supply from ACC and BATT terminals.

SECTION 3
ELECTRICAL PARTS LIST

CONNECTOR | KEY

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
  All resistors are in ohms.
  METAL: Metal-film resistor.
  METAL OXIDE: Metal oxide-film resistor.
  F: nonflammable
- Items marked "*" are not stocked since they are seldom required for routine service.
  Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
  In each case, u: µ, for example:
  uA. . : µA. . uPA. . : µPA. .
  uPB. . : µPB. . uPC. . : µPC. .
  uPD. . : µPD. .
- CAPACITORS
  uF: µF
- COILS
  uH: µH

When indicating parts by reference number, please include the board.

Ref. No.	Part No.	Description	Remark
*	A-3309-913-A	CONNECTOR BOARD, COMPLETE (XR-3758)	
		**********	
		(Included in MAIN BOARD, COMPLETE)	
*	A-3313-078-A	CONNECTOR BOARD, COMPLETE (XR-3759)	
		**********	
		(Included in MAIN BOARD, COMPLETE)	
		< CONNECTOR >	
CN801	1-778-984-11	CONNECTOR	
CN802	1-778-985-11	PIN, CONNECTOR (ISO) (XR-3758)	
CN802	1-778-985-21	PIN, CONNECTOR (ISO) (XR-3759)	
		< DIODE >	
D801	8-719-049-38	DIODE 1N5404TU	
		< COIL >	
L801	1-416-046-11	COIL, CHOKE	
		< RESISTOR >	
R801	1-249-417-11	CARBON 1K 5% 1/4W	
R802	1-249-417-11	CARBON 1K 5% 1/4W	
R803	1-247-855-11	CARBON 10K 5% 1/4W	
		< SWITCH >	
S801	1-571-478-11	SWITCH, SLIDE (POWER SELECT)	
**********			
		KEY BOARD	
		**********	
*	3-009-302-01	PLATE (LCD), LIGHT GUIDE	
*	3-009-303-02	HOLDER (LCD)	
*	3-012-669-01	SHEET (REFLECTOR)	
*	3-010-282-01	PLATE (LCD), GROUND	
		< CAPACITOR >	
C901	1-163-033-00	CERAMIC CHIP 0.022uF 50V	
C902	1-163-038-00	CERAMIC CHIP 0.1uF 25V	
C903	1-163-038-00	CERAMIC CHIP 0.1uF 25V	
C904	1-163-137-00	CERAMIC CHIP 680PF 5% 50V	
		< CONNECTOR >	
CNP901	1-764-423-11	PIN, CONNECTOR 12P	
		< DIODE >	
D901	8-719-976-99	DIODE DTZ5.1B	
D902	8-719-105-99	DIODE RD6.2M-B1	
D903	8-719-105-99	DIODE RD6.2M-B1	
D904	8-719-105-99	DIODE RD6.2M-B1	
D905	8-719-105-99	DIODE RD6.2M-B1	
		< IC >	
IC901	8-759-443-68	IC LC75834JED	
		< CHIP CONDUCTOR >	
JC901	1-216-295-00	CONDUCTOR, CHIP (2012)	
JC902	1-216-295-00	CONDUCTOR, CHIP (2012)	
JC951	1-216-296-00	CONDUCTOR, CHIP (3216)	
JC952	1-216-296-00	CONDUCTOR, CHIP (3216)	
		< LIQUID CRYSTAL DISPLAY >	
LCD901	1-801-678-11	DISPLAY PANEL, LIQUID CRYSTAL	
		< SWITCH >	
LSW901	1-762-619-11	SWITCH, KEY BOARD (WITH LED) (OFF)	
LSW902	1-762-619-11	SWITCH, KEY BOARD (WITH LED) (SOURCE)	
LSW903	1-762-619-11	SWITCH, KEY BOARD (WITH LED) (MODE)	
LSW904	1-762-619-11	SWITCH, KEY BOARD (WITH LED) (+ ▶▶I ▶▶: SEEK/AMS)	
LSW905	1-762-619-11	SWITCH, KEY BOARD (WITH LED) (– I◀◀ ◀◀: SEEK/AMS)	
LSW906	1-762-619-11	SWITCH, KEY BOARD (WITH LED) (–)	
LSW907	1-762-619-11	SWITCH, KEY BOARD (WITH LED) (SEL)	
LSW908	1-762-619-11	SWITCH, KEY BOARD (WITH LED) (+)	
LSW909	1-762-619-11	SWITCH, KEY BOARD (WITH LED) (MUTE)	
LSW911	1-762-619-11	SWITCH, KEY BOARD (WITH LED) (BTM)	
LSW912	1-762-619-11	SWITCH, KEY BOARD (WITH LED) (LCL)	
LSW921	1-762-619-11	SWITCH, KEY BOARD (WITH LED) (⏏)	
LSW922	1-762-619-11	SWITCH, KEY BOARD (WITH LED) (1/INTRO)	
LSW923	1-762-619-11	SWITCH, KEY BOARD (WITH LED) (2/REPEAT)	
LSW924	1-762-619-11	SWITCH, KEY BOARD (WITH LED) (3)	
LSW925	1-762-619-11	SWITCH, KEY BOARD (WITH LED) (6/BL.SKIP)	
LSW926	1-762-619-11	SWITCH, KEY BOARD (WITH LED) (5/ATA)	
LSW927	1-762-619-11	SWITCH, KEY BOARD (WITH LED) (4/MTL)	
LSW930	1-762-619-11	SWITCH, KEY BOARD (WITH LED) (DSPL)	
		< PILOT LAMP >	
PL901	1-517-567-11	LAMP, PILOT	
PL902	1-517-567-11	LAMP, PILOT	

KEY **MAIN**

Ref. No.	Part No.	Description			Remark
		< RESISTOR >			
R901	1-216-647-11	METAL CHIP	680	0.5%	1/10W
R902	1-216-647-11	METAL CHIP	680	0.5%	1/10W
R903	1-216-647-11	METAL CHIP	680	0.5%	1/10W
R904	1-208-437-41	METAL CHIP	1K	2%	1/10W
R905	1-216-655-11	METAL CHIP	1.5K	0.5%	1/10W
R906	1-216-655-11	METAL CHIP	1.5K	0.5%	1/10W
R907	1-208-445-41	METAL CHIP	2.2K	2%	1/10W
R908	1-208-449-41	METAL CHIP	3.3K	2%	1/10W
R911	1-208-462-41	METAL CHIP	10K	2%	1/10W
R921	1-216-647-11	METAL CHIP	680	0.5%	1/10W
R922	1-216-647-11	METAL CHIP	680	0.5%	1/10W
R923	1-216-647-11	METAL CHIP	680	0.5%	1/10W
R924	1-208-437-41	METAL CHIP	1K	2%	1/10W
R925	1-216-655-11	METAL CHIP	1.5K	0.5%	1/10W
R926	1-216-655-11	METAL CHIP	1.5K	0.5%	1/10W
R941	1-208-453-41	METAL CHIP	4.7K	2%	1/10W
R942	1-208-458-41	METAL CHIP	6.8K	2%	1/10W
R951	1-216-190-00	METAL CHIP	470	5%	1/8W
R952	1-216-089-00	METAL CHIP	47K	5%	1/10W
R953	1-216-049-11	METAL CHIP	1K	5%	1/10W
R954	1-216-049-11	METAL CHIP	1K	5%	1/10W
R955	1-216-049-11	METAL CHIP	1K	5%	1/10W
R956	1-216-049-11	METAL CHIP	1K	5%	1/10W
R962	1-216-025-00	METAL CHIP	100	5%	1/10W
R963	1-216-033-00	METAL CHIP	220	5%	1/10W
R964	1-216-035-00	METAL CHIP	270	5%	1/10W
R965	1-216-035-00	METAL CHIP	270	5%	1/10W
R967	1-216-035-00	METAL CHIP	270	5%	1/10W
R968	1-216-033-00	METAL CHIP	220	5%	1/10W
R981	1-216-655-11	METAL CHIP	1.5K	0.5%	1/10W
R982	1-208-449-41	METAL CHIP	3.3K	2%	1/10W
R983	1-216-671-11	METAL CHIP	6.8K	0.5%	1/10W
R984	1-216-081-00	METAL CHIP	22K	5%	1/10W
		< SWITCH >			
SW951	1-762-937-11	SWITCH, ROTARY (D-BASS)			
**********					
*	A-3309-950-A	MAIN BOARD, COMPLETE (XR-3759)			
		**********			
*	A-3309-953-A	MAIN BOARD, COMPLETE (XR-3758)			
		**********			
*	3-009-816-01	BRACKET (IC) (ISO)			
*	3-010-471-01	HEAT SINK			
	7-685-793-09	SCREW +PTT 2.6X8 (S)			
		< CAPACITOR >			
C1	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C2	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
C3	1-124-234-00	ELECT	22uF	20%	16V
C4	1-124-234-00	ELECT	22uF	20%	16V
C5	1-124-234-00	ELECT	22uF	20%	16V
C6	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C7	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C8	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C9	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V

Ref. No.	Part No.	Description			Remark
C11	1-126-160-11	ELECT	1uF	20%	50V
C13	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C14	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C15	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C16	1-124-589-11	ELECT	47uF	20%	16V
C17	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C18	1-107-823-11	CERAMIC CHIP	0.47uF	10%	16V
C19	1-163-017-00	CERAMIC CHIP	0.0047uF	5%	50V
C20	1-164-232-11	CERAMIC CHIP	0.01uF	10%	50V (XR-3759)
C21	1-126-157-11	ELECT	10uF	20%	16V (XR-3759)
C22	1-164-232-11	CERAMIC CHIP	0.01uF	10%	50V (XR-3759)
C23	1-216-295-00	CONDUCTOR, CHIP		(2012)	
C24	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C25	1-124-589-11	ELECT	47uF	20%	16V
C27	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C101	1-163-263-11	CERAMIC CHIP	330PF	5%	50V
C102	1-163-263-11	CERAMIC CHIP	330PF	5%	50V
C104	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C105	1-164-489-11	CERAMIC CHIP	0.22uF	10%	16V
C106	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
C107	1-126-163-11	ELECT	4.7uF	20%	50V
C121	1-164-232-11	CERAMIC CHIP	0.01uF	10%	50V
C122	1-163-809-11	CERAMIC CHIP	0.047uF	10%	25V
C123	1-216-295-00	CONDUCTOR, CHIP		(2012)	
C151	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V
C153	1-124-257-00	ELECT	2.2uF	20%	50V
C161	1-126-160-11	ELECT	1uF	20%	50V
C162	1-126-160-11	ELECT	1uF	20%	50V
C163	1-164-182-11	CERAMIC CHIP	0.0033uF	10%	50V
C164	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V
C165	1-126-157-11	ELECT	10uF	20%	16V
C166	1-164-492-11	CERAMIC CHIP	0.15uF	10%	16V
C167	1-164-492-11	CERAMIC CHIP	0.15uF	10%	16V
C168	1-126-157-11	ELECT	10uF	20%	16V
C171	1-126-163-11	ELECT	4.7uF	20%	50V
C181	1-126-163-11	ELECT	4.7uF	20%	50V
C191	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
C192	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
C193	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
C201	1-163-263-11	CERAMIC CHIP	330PF	5%	50V
C202	1-163-263-11	CERAMIC CHIP	330PF	5%	50V
C204	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C205	1-164-489-11	CERAMIC CHIP	0.22uF	10%	16V
C206	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
C207	1-126-163-11	ELECT	4.7uF	20%	50V
C251	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V
C253	1-124-257-00	ELECT	2.2uF	20%	50V
C261	1-126-160-11	ELECT	1uF	20%	50V
C262	1-126-160-11	ELECT	1uF	20%	50V
C263	1-164-182-11	CERAMIC CHIP	0.0033uF	10%	50V
C264	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V
C265	1-126-157-11	ELECT	10uF	20%	16V
C266	1-164-492-11	CERAMIC CHIP	0.15uF	10%	16V
C267	1-164-492-11	CERAMIC CHIP	0.15uF	10%	16V
C268	1-126-157-11	ELECT	10uF	20%	16V
C271	1-126-163-11	ELECT	4.7uF	20%	50V

Ref. No.	Part No.	Description			Remark
C281	1-126-163-11	ELECT	4.7uF	20%	50V
C291	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
C292	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
C293	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
C301	1-124-234-00	ELECT	22uF	20%	16V
C303	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C305	1-107-823-11	CERAMIC CHIP	0.47uF	10%	16V
C306	1-164-232-11	CERAMIC CHIP	0.01uF	10%	50V
C307	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C351	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C352	1-124-584-00	ELECT	100uF	20%	10V
C354	1-126-157-11	ELECT	10uF	20%	16V
C355	1-124-234-00	ELECT	22uF	20%	16V
C356	1-126-934-11	ELECT	220uF	20%	16V
C362	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C401	1-124-584-00	ELECT	100uF	20%	10V
C402	1-124-234-00	ELECT	22uF	20%	16V
C501	1-163-231-11	CERAMIC CHIP	15PF	5%	50V
C502	1-163-091-00	CERAMIC CHIP	8PF		50V
C503	1-126-157-11	ELECT	10uF	20%	16V
C504	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C505	1-124-589-11	ELECT	47uF	20%	16V
C506	1-124-257-00	ELECT	2.2uF	20%	50V
C507	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C509	1-109-982-11	CERAMIC CHIP	1uF	10%	10V
C510	1-115-589-11	ELECT(BLOCK)	0.047uF		5.5V
C511	1-128-057-11	ELECT	330uF	20%	6.3V
C512	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C514	1-109-982-11	CERAMIC CHIP	1uF	10%	10V
C515	1-124-584-00	ELECT	100uF	20%	10V
C517	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C561	1-163-133-00	CERAMIC CHIP	470PF	5%	50V
C562	1-109-982-11	CERAMIC CHIP	1uF	10%	10V
C601	1-164-489-11	CERAMIC CHIP	0.22uF	10%	16V
C602	1-164-222-11	CERAMIC CHIP	0.22uF		25V
C603	1-126-157-11	ELECT	10uF	20%	16V
C604	1-124-234-00	ELECT	22uF	20%	16V
C605	1-126-157-11	ELECT	10uF	20%	16V
C606	1-124-589-11	ELECT	47uF	20%	16V
C607	1-124-589-11	ELECT	47uF	20%	16V
C608	1-124-234-00	ELECT	22uF	20%	16V
C704	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C707	1-126-163-11	ELECT	4.7uF	20%	50V
C735	1-136-165-00	FILM	0.1uF	5%	50V
C736	1-136-165-00	FILM	0.1uF	5%	50V
C745	1-136-165-00	FILM	0.1uF	5%	50V
C746	1-136-165-00	FILM	0.1uF	5%	50V
C751	1-164-506-11	CERAMIC CHIP	4.7uF		16V
C752	1-126-096-11	ELECT	10uF	20%	25V
C753	1-136-173-00	FILM	0.47uF	5%	50V
C754	1-107-823-11	CERAMIC CHIP	0.47uF	10%	16V
C755	1-107-823-11	CERAMIC CHIP	0.47uF	10%	16V
C775	1-136-165-00	FILM	0.1uF	5%	50V
C776	1-136-165-00	FILM	0.1uF	5%	50V
C785	1-136-165-00	FILM	0.1uF	5%	50V
C786	1-136-165-00	FILM	0.1uF	5%	50V
C801	1-126-936-11	ELECT	3300uF	20%	16V
C802	1-163-251-11	CERAMIC CHIP	100PF	5%	50V

Ref. No.	Part No.	Description			Remark
C803	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C851	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C854	1-163-038-00	CERAMIC CHIP	0.1uF		25V
		< CONNECTOR >			
CN301	1-766-260-11	CONNECTOR, FFC/FPC (ZIF) 7P			
* CN351	1-506-995-11	PIN, CONNECTOR (PC BOARD) 13P			
CN602	1-764-422-11	PLUG, CONNECTOR 12P			
		< CONPOSITION CIRCUIT BLOCK >			
CP1	1-517-422-11	GAP, DISCHARGE			
		< DIODE >			
D1	8-719-991-65	DIODE SB02W03C			
D2	8-719-010-34	DIODE UZ-4.7BSC			
D3	8-719-110-17	DIODE RD10ESB2			
D4	8-719-991-33	DIODE 1SS133T-77(XR-3759)			
D301	8-719-991-33	DIODE 1SS133T-77			
D351	8-719-929-15	DIODE MTZJ-T-77-9.1B			
D352	8-719-991-33	DIODE 1SS133T-77			
D501	8-719-991-33	DIODE 1SS133T-77			
D502	8-719-991-33	DIODE 1SS133T-77			
D503	8-719-991-33	DIODE 1SS133T-77			
D504	8-719-109-72	DIODE RD3.9ES-B2			
D519	8-719-991-33	DIODE 1SS133T-77			
D520	8-719-991-33	DIODE 1SS133T-77			
D561	8-719-929-15	DIODE MTZJ-T-77-9.1B			
D601	8-719-110-23	DIODE RD11ES-B3			
D701	8-719-923-93	DIODE MTZJ-T-77-16C			
D706	8-719-921-63	DIODE MTZJ-7.5B			
D707	8-719-110-03	DIODE RD7.5ESB2			
D802	8-719-970-02	DIODE 1SR139-400			
D803	8-719-970-02	DIODE 1SR139-400			
D851	8-719-921-54	DIODE MTZJ-6.2B			
D852	8-719-921-54	DIODE MTZJ-6.2B			
D853	8-719-921-54	DIODE MTZJ-6.2B			
D854	8-719-921-54	DIODE MTZJ-6.2B			
D855	8-719-921-54	DIODE MTZJ-6.2B			
D856	8-719-921-54	DIODE MTZJ-6.2B			
D857	8-719-923-93	DIODE MTZJ-T-77-16C			
D858	8-719-921-54	DIODE MTZJ-6.2B			
D859	8-719-921-54	DIODE MTZJ-6.2B			
		< RESISTOR >			
F1	1-215-863-11	METAL OXIDE	100	5%	1W F (XR-3759)
		< IC >			
IC301	8-752-079-78	IC CXA2509AQ-T4			
IC361	8-759-395-97	IC MM1322XFBE			
IC401	8-759-443-67	IC LC75373ED			
IC501	8-759-449-87	IC uPD17707GC-521-3B9			
IC502	8-759-363-81	IC XC61AN4002PR			
IC601	8-759-347-49	IC BA3918-V2			
IC751	8-759-369-41	IC HA13155			

MAIN

Ref. No.	Part No.	Description	Remark
		< JACK >	
J1	1-764-808-14	JACK (ANT) (ANT IN) (XR-3758)	
J1	1-770-279-11	JACK, ANTENNA (ISO) (ANT IN) (XR-3759)	
J501	1-764-270-21	JACK (REMOTE IN)	
		< CHIP CONDUCTOR >	
JC2	1-216-295-00	CONDUCTOR, CHIP (2012)	
JC3	1-216-295-00	CONDUCTOR, CHIP (2012)	
JC4	1-216-295-00	CONDUCTOR, CHIP (2012)	
JC5	1-216-295-00	CONDUCTOR, CHIP (2012)	
JC6	1-216-295-00	CONDUCTOR, CHIP (2012) (XR-3758)	
JC7	1-216-296-00	CONDUCTOR, CHIP (3216)	
JC8	1-216-295-00	CONDUCTOR, CHIP (2012)	
JC9	1-216-295-00	CONDUCTOR, CHIP (2012)	
JC10	1-216-296-00	CONDUCTOR, CHIP (3216)	
JC11	1-216-296-00	CONDUCTOR, CHIP (3216)	
JC12	1-216-296-00	CONDUCTOR, CHIP (3216)	
JC13	1-216-295-00	CONDUCTOR, CHIP (2012)	
JC14	1-216-295-00	CONDUCTOR, CHIP (2012)	
JC15	1-216-295-00	CONDUCTOR, CHIP (2012)	
JC16	1-216-295-00	CONDUCTOR, CHIP (2012)	
JC17	1-216-295-00	CONDUCTOR, CHIP (2012)	
		< COIL >	
L1	1-414-142-11	INDUCTOR 1uH (XR-3759)	
L2	1-416-108-11	COIL (HIGH-FREQUENCY) (XR-3759)	
L501	1-410-509-11	INDUCTOR 10uH	
		< TRANSISTOR >	
Q1	8-729-027-23	TRANSISTOR DTA114EKA	
Q2	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q4	8-729-025-28	TRANSISTOR 2SK1828	
Q171	8-729-920-21	TRANSISTOR DTC314TKH04	
Q181	8-729-920-21	TRANSISTOR DTC314TKH04	
Q271	8-729-920-21	TRANSISTOR DTC314TKH04	
Q281	8-729-920-21	TRANSISTOR DTC314TKH04	
Q351	8-729-922-65	TRANSISTOR 2SD1760F5-TLPQR	
Q352	8-729-027-23	TRANSISTOR DTA114EKA-T146	
Q353	8-729-900-53	TRANSISTOR DTC114EK	
Q354	8-729-106-60	TRANSISTOR 2SB1115A	
Q355	8-729-900-53	TRANSISTOR DTC114EK	
Q501	8-729-027-23	TRANSISTOR DTA114EKA-T146	
Q502	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q503	8-729-027-23	TRANSISTOR DTA114EKA-T146	
Q601	8-729-030-18	TRANSISTOR 2SD2525	
Q602	8-729-030-18	TRANSISTOR 2SD2525	
Q603	8-729-027-23	TRANSISTOR DTA114EKA-T146	
Q604	8-729-900-53	TRANSISTOR DTC114EK	
Q701	8-729-900-53	TRANSISTOR DTC114EK	
Q702	8-729-900-53	TRANSISTOR DTC114EK	
Q703	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q704	8-729-027-23	TRANSISTOR DTA114EKA-T146	
		< RESISTOR >	
R1	1-249-417-11	CARBON 1K 5% 1/4W	
R2	1-249-417-11	CARBON 1K 5% 1/4W	
R3	1-249-417-11	CARBON 1K 5% 1/4W	
R4	1-247-843-11	CARBON 3.3K 5% 1/4W	
R6	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R7	1-216-085-00	METAL CHIP 33K 5% 1/10W	
R8	1-216-093-00	METAL CHIP 68K 5% 1/10W	
R9	1-216-057-00	METAL CHIP 2.2K 5% 1/10W	
R10	1-216-049-11	METAL CHIP 1K 5% 1/10W	
R11	1-216-053-00	METAL CHIP 1.5K 5% 1/10W	
R12	1-249-421-11	CARBON 2.2K 5% 1/4W	
R14	1-216-065-00	METAL CHIP 4.7K 5% 1/10W	
R15	1-216-025-00	METAL CHIP 100 5% 1/10W	
R16	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R101	1-216-097-00	METAL CHIP 100K 5% 1/10W	
R102	1-216-097-00	METAL CHIP 100K 5% 1/10W	
R103	1-216-041-00	METAL CHIP 470 5% 1/10W	
R104	1-216-109-00	METAL CHIP 330K 5% 1/10W	
R105	1-216-077-00	METAL CHIP 15K 5% 1/10W	
R106	1-216-079-00	METAL CHIP 18K 5% 1/10W	
R107	1-216-214-00	METAL CHIP 4.7K 5% 1/8W	
R108	1-216-081-00	METAL CHIP 22K 5% 1/10W	
R121	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R151	1-216-065-00	METAL CHIP 4.7K 5% 1/10W	
R152	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R161	1-216-061-00	METAL CHIP 3.3K 5% 1/10W	
R171	1-216-182-00	METAL CHIP 220 5% 1/8W	
R172	1-216-065-00	METAL CHIP 4.7K 5% 1/10W	
R173	1-216-065-00	METAL CHIP 4.7K 5% 1/10W	
R174	1-216-117-00	METAL CHIP 680K 5% 1/10W	
R181	1-249-409-11	CARBON 220 5% 1/4W	
R182	1-216-065-00	METAL CHIP 4.7K 5% 1/10W	
R183	1-216-065-00	METAL CHIP 4.7K 5% 1/10W	
R184	1-216-117-00	METAL CHIP 680K 5% 1/10W	
R201	1-216-097-00	METAL CHIP 100K 5% 1/10W	
R202	1-216-097-00	METAL CHIP 100K 5% 1/10W	
R203	1-216-041-00	METAL CHIP 470 5% 1/10W	
R204	1-216-109-00	METAL CHIP 330K 5% 1/10W	
R205	1-216-077-00	METAL CHIP 15K 5% 1/10W	
R206	1-216-079-00	METAL CHIP 18K 5% 1/10W	
R207	1-216-214-00	METAL CHIP 4.7K 5% 1/8W	
R208	1-216-081-00	METAL CHIP 22K 5% 1/10W	
R251	1-216-065-00	METAL CHIP 4.7K 5% 1/10W	
R252	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R261	1-216-061-00	METAL CHIP 3.3K 5% 1/10W	
R271	1-216-033-00	METAL CHIP 220 5% 1/10W	
R272	1-216-065-00	METAL CHIP 4.7K 5% 1/10W	
R273	1-216-065-00	METAL CHIP 4.7K 5% 1/10W	
R274	1-216-117-00	METAL CHIP 680K 5% 1/10W	
R281	1-216-033-00	METAL CHIP 220 5% 1/10W	
R282	1-216-065-00	METAL CHIP 4.7K 5% 1/10W	
R283	1-216-065-00	METAL CHIP 4.7K 5% 1/10W	
R284	1-216-117-00	METAL CHIP 680K 5% 1/10W	
R301	1-216-079-00	METAL CHIP 18K 5% 1/10W	
R302	1-216-097-00	METAL CHIP 100K 5% 1/10W	
R303	1-216-065-00	METAL CHIP 4.7K 5% 1/10W	
R304	1-216-079-00	METAL CHIP 18K 5% 1/10W	
R305	1-216-073-11	METAL CHIP 10K 5% 1/10W	
R306	1-216-073-11	METAL CHIP 10K 5% 1/10W	
R307	1-249-429-11	CARBON 10K 5% 1/4W	
R308	1-216-109-00	METAL CHIP 330K 5% 1/10W	

Ref. No.	Part No.	Description			Remark
R351	1-216-049-11	METAL CHIP	1K	5%	1/10W
R352	1-249-385-11	CARBON	2.2	5%	1/6W
R354	1-216-073-00	METAL CHIP	10K	5%	1/10W
R355	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R360	1-216-150-00	METAL CHIP	10	5%	1/8W
R401	1-249-393-11	CARBON	10	5%	1/4W
R501	1-216-097-00	METAL CHIP	100K	5%	1/10W
R502	1-216-073-00	METAL CHIP	10K	5%	1/10W
R503	1-216-097-00	METAL CHIP	100K	5%	1/10W
R504	1-216-246-00	METAL CHIP	100K	5%	1/8W
R508	1-216-073-00	METAL CHIP	10K	5%	1/10W
R509	1-216-222-00	METAL CHIP	10K	5%	1/8W
R511	1-216-097-00	METAL CHIP	100K	5%	1/10W
R512	1-216-049-11	METAL CHIP	1K	5%	1/10W
R513	1-216-049-11	METAL CHIP	1K	5%	1/10W
R514	1-216-049-11	METAL CHIP	1K	5%	1/10W
R515	1-216-097-00	METAL CHIP	100K	5%	1/10W
R516	1-216-097-00	METAL CHIP	100K	5%	1/10W
R517	1-216-097-00	METAL CHIP	100K	5%	1/10W
R518	1-216-097-00	METAL CHIP	100K	5%	1/10W
R519	1-216-097-00	METAL CHIP	100K	5%	1/10W
R520	1-216-097-00	METAL CHIP	100K	5%	1/10W
R521	1-216-097-00	METAL CHIP	100K	5%	1/10W
R522	1-216-097-00	METAL CHIP	100K	5%	1/10W
R523	1-216-097-00	METAL CHIP	100K	5%	1/10W
R524	1-216-097-00	METAL CHIP	100K	5%	1/10W
R525	1-216-097-00	METAL CHIP	100K	5%	1/10W
R527	1-216-097-00	METAL CHIP	100K	5%	1/10W
R529	1-216-097-00	METAL CHIP	100K	5%	1/10W
R530	1-216-097-00	METAL CHIP	100K	5%	1/10W
R531	1-249-429-11	CARBON	10K	5%	1/4W
R533	1-216-097-00	METAL CHIP	100K	5%	1/10W
R534	1-249-417-11	CARBON	1K	5%	1/4W
R535	1-249-417-11	CARBON	1K	5%	1/4W
R536	1-216-073-00	METAL CHIP	10K	5%	1/10W
R537	1-216-113-00	METAL CHIP	470K	5%	1/10W
R538	1-249-413-11	CARBON	470	5%	1/4W
R539	1-249-413-11	CARBON	470	5%	1/4W
R543	1-249-413-11	CARBON	470	5%	1/4W
R544	1-216-097-00	METAL CHIP	100K	5%	1/10W
R545	1-249-413-11	CARBON	470	5%	1/4W
R546	1-208-806-11	METAL CHIP	10K	0.50%	1/10W
R547	1-208-806-11	METAL CHIP	10K	0.50%	1/10W
R548	1-216-097-00	METAL CHIP	100K	5%	1/10W
R549	1-216-073-00	METAL CHIP	10K	5%	1/10W
R550	1-208-806-11	METAL CHIP	10K	0.50%	1/10W
R551	1-216-025-00	METAL CHIP	100	5%	1/10W
R552	1-216-025-00	METAL CHIP	100	5%	1/10W
R553	1-216-097-00	METAL CHIP	100K	5%	1/10W
R554	1-216-295-00	CONDUCTOR, CHIP		(2012)	
R556	1-216-049-11	METAL CHIP	1K	5%	1/10W
R561	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R562	1-249-429-11	CARBON	10K	5%	1/4W
R568	1-216-097-00	METAL CHIP	100K	5%	1/10W
R570	1-216-097-00	METAL CHIP	100K	5%	1/10W
R571	1-216-097-00	METAL CHIP	100K	5%	1/10W
R572	1-216-097-00	METAL CHIP	100K	5%	1/10W
R601	1-249-393-11	CARBON	10	5%	1/4W
R602	1-249-393-11	CARBON	10	5%	1/4W
R603	1-216-186-00	METAL CHIP	330	5%	1/8W
R701	1-216-295-00	CONDUCTOR, CHIP		(2012)	
R706	1-216-097-00	METAL CHIP	100K	5%	1/10W
R708	1-216-113-00	METAL CHIP	470K	5%	1/10W
R709	1-216-073-00	METAL CHIP	10K	5%	1/10W
R711	1-216-097-00	METAL CHIP	100K	5%	1/10W
R712	1-216-089-00	METAL CHIP	47K	5%	1/10W
R713	1-216-089-00	METAL CHIP	47K	5%	1/10W
R714	1-249-421-11	CARBON	2.2K	5%	1/4W
R735	1-216-134-00	METAL CHIP	2.2	5%	1/8W
R736	1-216-298-00	METAL CHIP	2.2	5%	1/10W
R745	1-216-134-00	METAL CHIP	2.2	5%	1/8W
R746	1-216-298-00	METAL CHIP	2.2	5%	1/10W
R775	1-216-134-00	METAL CHIP	2.2	5%	1/8W
R776	1-216-134-00	METAL CHIP	2.2	5%	1/8W
R785	1-216-298-00	METAL CHIP	2.2	5%	1/10W
R786	1-216-134-00	METAL CHIP	2.2	5%	1/8W
R851	1-216-025-00	METAL CHIP	100	5%	1/10W
R852	1-216-025-00	METAL CHIP	100	5%	1/10W
R853	1-216-041-00	METAL CHIP	470	5%	1/10W
R854	1-216-041-00	METAL CHIP	470	5%	1/10W
R855	1-216-041-00	METAL CHIP	470	5%	1/10W
R856	1-216-041-00	METAL CHIP	470	5%	1/10W
R857	1-216-049-11	METAL CHIP	1K	5%	1/10W
R858	1-216-025-00	METAL CHIP	100	5%	1/10W

< SWITCH >

S503	1-692-431-21	SWITCH, TACTILE (RESET)

< TUNER >

TU1	1-693-373-11	TUNER UNIT

< VIBRATOR >

X501	1-578-785-11	VIBRATOR, CRYSTAL (4.5MHz)

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MISCELLANEOUS

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158	1-660-169-21	REEL BOARD
F801	1-532-877-11	FUSE (BLADE TYPE) (AUTO FUSE) (10A)
HP901	1-500-157-21	HEAD, MAGNETIC (PLAYBACK)
M901	A-3291-665-A	MOTOR ASSY, MAIN (CAPSTAN/REEL)
M902	A-3291-664-A	MOTOR ASSY, SUB (LOADING/TAPE OPERATION)
S901	1-692-885-11	SWITCH, ROTARY SLIDE (TAPE OPERATION)

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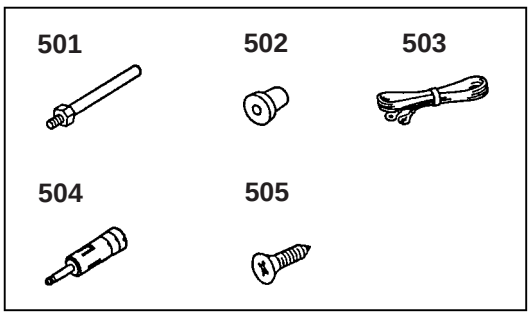
Ref. No.	Part No.	Description	Remark
		**********	
		HARDWARE LIST	
		**********	
#1	7-685-793-09	SCREW +PTT 2.6X8 (S)	
#2	7-621-772-10	SCREW +B 2X4	
#3	7-685-792-09	SCREW +PTT 2.6X6 (S)	
#5	7-685-106-19	SCREW +P 2X10 TYPE2 NON-SLIT	
#6	7-627-553-17	PRECISION SCREW +P 2X2 TYPE 3	
#7	7-624-104-04	STOP RING 2.0, TYPE-E	
#8	7-628-253-00	SCREW +PS 2X4	
**********			
		ACCESSORIES & PACKING MATERIALS	
		**********	
	X-3373-371-1	CASE ASSY (for FRONT PANEL)	
	3-859-331-11	MANUAL, INSTRUCTION (ENGLISH)	(XR-3759)
	3-859-332-11	MANUAL, INSTRUCTION (ENGLISH)	(XR-3758)
**********			
		PARTS FOR INSTALLATION AND CONNECTIONS	
		**********	
501	3-386-828-01	SCREW, FITTING	
502	3-349-410-01	BUSHING	
503	1-775-543-11	CORD, GROUND	
504	1-465-459-21	ADAPTOR, ANTENNA (XR-3758)	
505	3-934-325-01	SCREW, +K (5X8) TAPPING